



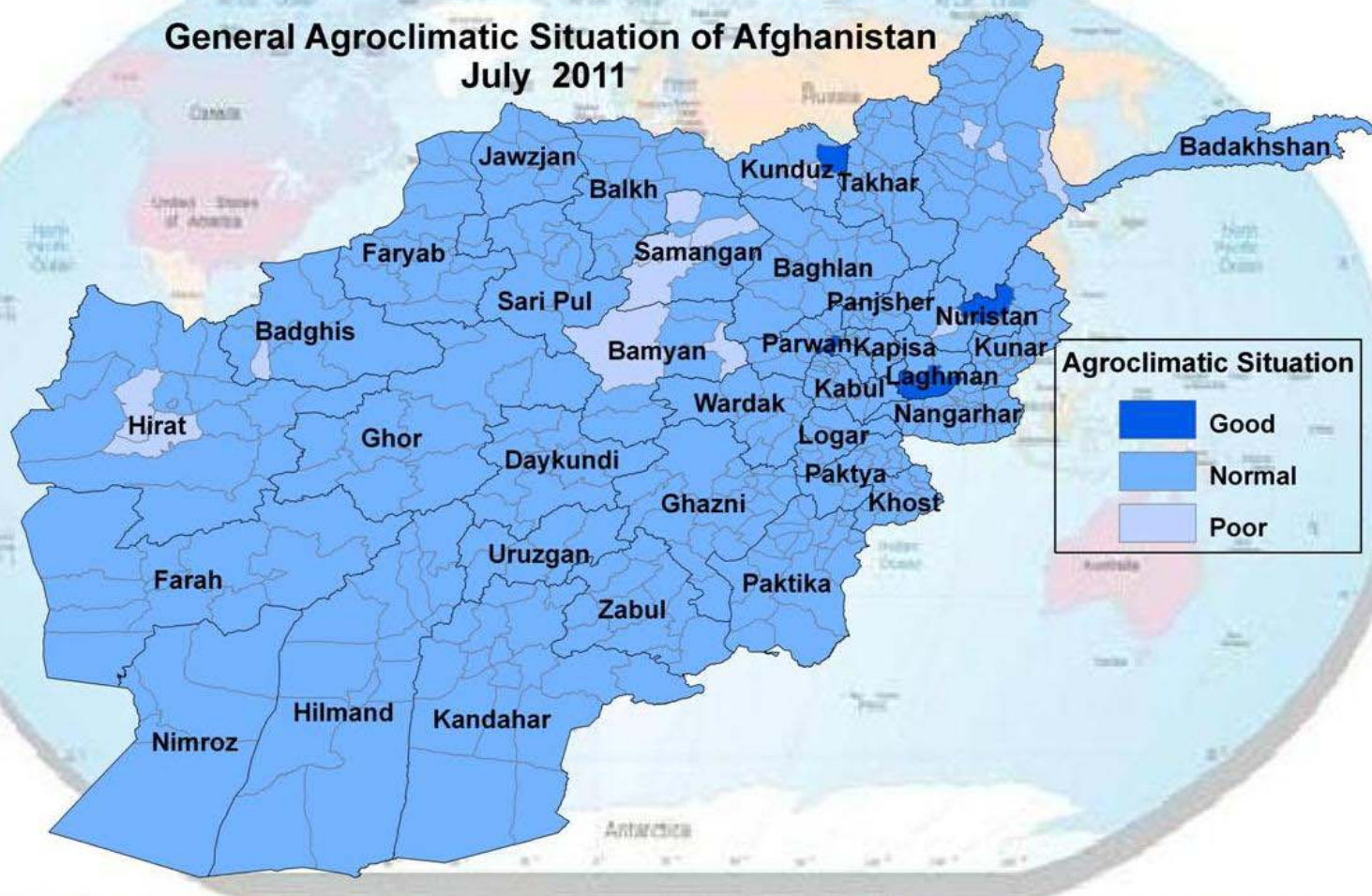
Issue No: 77

July: 2011

The Afghanistan Agrometeorological Monthly Bulletin

Topics Crop Information Precipitation Temperature NDVI

General Agroclimatic Situation of Afghanistan July 2011



Adverse Factor

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Data Source:

Ministry of Agriculture , Irrigation and Livestock (MAIL), Agromet Project , Afghan Meteorological Authority (AMA), United States Geological Survey (USGS), Food and Agriculture Organization of United Nation (FAO)

Summary

During the month of July 2011 the Indian monsoon pushed moisture to the region and Afghanistan which brought good rainfall particularly in the Eastern, Southeastern, Capital and the Northeastern regions. However the rainfall during July 2011 was lighter than which was expected, but still it was good for Agriculture.

Typically in this time of the year temperature is going high all over the country but, the areas with low elevations are going to be heated more, the Southern and Southwestern, Eastern regions and some parts of the Northern regions experienced highest temperature during the month of July 2011.

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Shakardara	Karizmir	Harvesting		
		Paghman	Paghman	Maturity	Normal	Not Existed
		Kabul	Darulaman	Harvesting		
		Surubi	Surubi	Harvested		
	Panjsher	Dara	Dara	Maturity	Normal	Poor Rainfall
		Dashtak	Dashtak	Harvested		
	Parwan	Syagerd	Gor band	Harvesting		
		Charikar	Charikar	Harvested		
	Kapisa	Mahmoodraqi	Mahmoodraqi			
		Kohistan	Kohistan	Harvesting		
	Wardak	Chake	Chake	Maturity	Normal	Not Existed
		Jaghato	Jaghato	Harvesting		
	Bamyan	Bamyan	Bamyan			
		Yakawlang	Yakawlang	Maturity	Poor	Poor Rainfall
		Panjab	Panjab	Harvesting		
		Shebar	Shebar	Maturity	Normal	Poor Rainfall
	Ghazni	Muqur	Muqur	Harvesting		
		Andar	Bande Sardi			
East	Nangarhar	Agam	Agam	Harvested		
		Batikot	Ghaziabad			
		Jalalabad	Farm jaded			
		Behsood	Behsood			

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
East	Kunar	Asmar	Asmar	Harvested		
		Asad Abad	Asad Abad			
	Laghman	Mihtarlam	Mihtarlam			
		Qarghay	Qarghay			
	Noristan	Paroon	Paroon	Flowering	Good	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Harvested		
		Waigal	Waigal			
		Wama	Wama	Flowering	Normal	Poor Rainfall
North East	Takhar	Bangi	Bangi	Maturity	Normal	Not Existed
		Taluqan	Taluqan	Harvesting		
	Kunduz	Imam Sahib	Imam Sahib			
		Qaliazal	Aqtipa			
		Khan Abad	Khan Abad			
		Kunduz	Kunduz			
		Archi	Archi			
		Ali Abad	Ali Abad			
	Baghlan	Pulikhomri	Pozaishan			
		Doshy	Doshy			
	Badakhshan	Argo	Argo			
		Baharak	Baharak	Maturity	Poor	Poor Rainfall
		Ashkashm	Ashkashm	Grain Filling	Normal	Poor Rainfall
		Khash	Kash	Harvesting		
		Faiz Abad	Faiz Abad			
South East	Khost	Khost	Khost	Harvested		
		Khost	Shimal			
		Ali Sher	Ali Sher			
	Paktia	Zormat	Rohani Baba	Harvesting		
		Gardiz	Tera			
	Paktika	Urgon	Urgon	Maturity	Normal	Not Existed
		Sharana	Sharana	Harvesting		
		Khair kot	Khair kot	Maturity	Normal	Not Existed

Data Source: Agromet Network

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Winter Wheat		
				Crop Stage	Crop Condition	Adverse Factor
South	Nimroz	Zaranj	Zaranj	Harvesting		
	Kandahar	Kandahar	Kandahar	Harvested		
	Zabul	Qalat	Qalat	Harvesting		
	Urozgan	Tirin Kot	Tirin Kot	Harvested		
	Hilmand	Nad Ali	Nad Ali			
		Greshk	Greshk			
		Nawa	Nawa			
		Lashkargah	Bolan			
North	Balkh	Takhta pol	Dihdadi	Harvesting		
		Nahrishahi	Nahrishahi	Maturity	Normal	Not Existed
		Dawlat Abad	Dawlat Abad	Harvesting		
	Jawzjan	Sheberghan	Sheberghan	Harvesting		
		Darzab	Darzab			
	Saripul	Saripul	Saripul			
		Sozmaqala	Sozmaqala			
	Faryab	Maimana	Maimana	Maturity	Normal	Not Existed
		Andkhoy	Andkhoy	Harvesting		
		Garzeewan	Garzeewan			
	Samangan	Aibak	Aibak	Maturity	Poor	Poor Rainfall
		Dara Souf	Dara Souf	Maturity	Poor	Poor Rainfall
		Sar bagh	Sarbagh	Maturity	Normal	Weeds
North West	Badghis	Qalainow	Qalainow	Maturity	Normal	Poor Rainfall
		Muqur	Muqur	Harvesting		
	Ghor	Chaghcharan	Chaghcharan	Maturity	Normal	Not Existed
	Hirat	Shindand	Shindand	Harvested		
		Zindajan	Zindajan	Harvesting		
		Gwazara	Falahat	Maturity	Normal	Not Existed
		Hirat	Farm Urdokhan	Maturity	Normal	Not Existed
	Farah	Farah	Farah	Harvested		

Data Source: Agromet Network

Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Maize		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Vegetative	Normal	Weeds
	Panjsher	Dara	Dara	Vegetative	Normal	Not Existed
		Dashtak	Dashtak	Emergence	Normal	Not Existed
	Parwan	Syagerd	Gor band	Emergence	Normal	Not Existed
		Charikar	Charikar	Emergence	Good	Shortage of inputs
	Kapisa	Mahmoodraqi	Mahmoodraqi	Vegetative	Normal	Not Existed
		Kohistan	Kohistan	Emergence	Normal	Not Existed
East	Nangarhar	Agam	Agam	Vegetative	Normal	Not Existed
		Batikot	Ghaziabad	Vegetative	Normal	Not Existed
		Jalalabad	Farm jaded	Flowering	Normal	Not Existed
		Behsood	Behsood	Flowering	Normal	Not Existed
	Kunar	Asmar	Asmar	Vegetative	Good	Poor Rainfall
		Asad Abad	Asad Abad	Vegetative	Normal	Poor Rainfall
	Laghman	Mihtarlam	Mihtarlam	Emergence	Good	Not Existed
		Qarghay	Qarghay	Emergence	Good	Not Existed
	Noristan	Paroon	Paroon	Flowering	Good	Not Existed
		Do Ab	Do Ab	Flowering	Normal	Poor Rainfall
		Norgaram	Norgaram	Emergence	Normal	Not Existed
		Waigal	Waigal	Emergence	Normal	Not Existed
Wama		Wama	Flowering	Normal	Not Existed	
North East	Takhar	Bangi	Bangi	Vegetative	Normal	Not Existed
		Taluqan	Taluqan	Vegetative	Normal	Not Existed
	Kunduz	Imam Sahib	Imam Sahib	Emergence	Good	Not Existed
		Qaliazal	Aqtipa	Emergence	Good	Not Existed
		Khan Abad	Khan Abad	Emergence	Normal	Not Existed
		Kunduz	Kunduz	Emergence	Poor	Poor Rainfall
		Archi	Archi	Emergence	Good	Not Existed
		Ali Abad	Ali Abad	Emergence	Good	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Emergence	Normal	Not Existed
Doshy		Doshy	Emergence	Normal	Not Existed	
South East	Khost	Ali Sher	Ali Sher	Ploughing		
		Khost	Khost	Vegetative	Good	Not Existed
		Khost	Shimal	Vegetative	Good	Not Existed
	Paktia	Zormat	Rohani Baba	Maturity	Normal	Not Existed
		Gardiz	Tera	Vegetative	Normal	Not Existed
	Paktika	Urgon	Urgon	Vegetative	Normal	Not Existed
		Sharana	Sharana	Vegetative	Normal	Not Existed
		Khair kot	Khair kot	Vegetative	Normal	Not Existed
South	Urozgan	Tirin Kot	Tirin Kot	Vegetative	Normal	Not Existed
	Hilmand	Nad Ali	Nad Ali	Vegetative	Normal	Not Existed
		Greshk	Greshk	Vegetative	Normal	Not Existed
		Nawa	Nawa	Vegetative	Normal	Not Existed
		Lashkargah	Bolan	Vegetative	Normal	Not Existed
North	Samangan	Aibak	Aibak	Vegetative	Normal	Not Existed
		Dara Souf	Dara Souf	Vegetative	Poor	Poor Rainfall
		Sar bagh	Sarbagh	Flowering	Poor	Poor Rainfall
North West	Herat	Shindand	Shindand	Vegetative	Normal	Poor Rainfall
		Zindajan	Zindajan	Vegetative	Poor	Poor Rainfall
		Gwazara	Falahat	Vegetative	Poor	Poor Rainfall
		Hirat	Farm Urdokhan	Vegetative	Normal	Poor Rainfall
	Farah	Farah	Farah	Vegetative	Normal	Not Existed

Data Source: Agromet Network

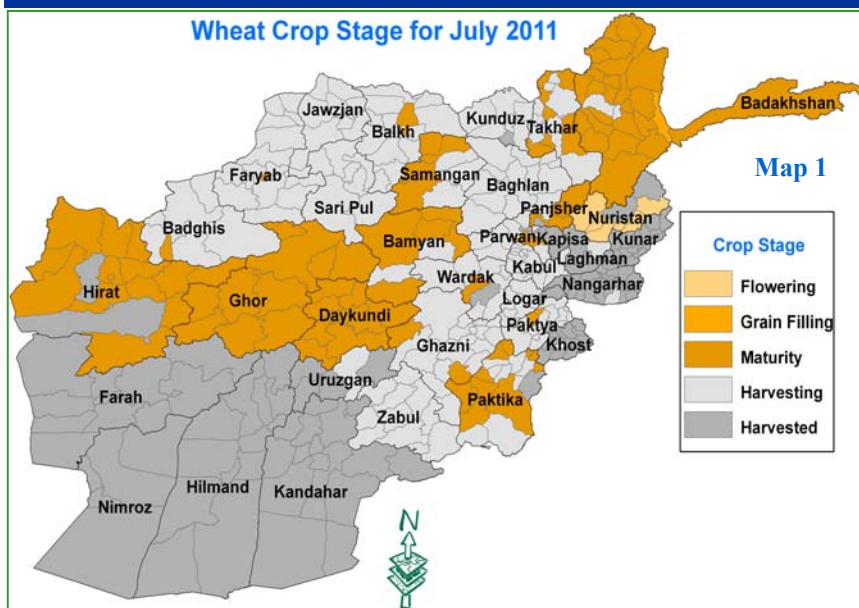
Crop Stage, Crop Condition and Adverse Factor

Zone	Province	District	Station	Rice		
				Crop Stage	Crop Condition	Adverse Factor
Central	Kabul	Surubi	Surubi	Vegetative	Normal	Weeds
East	Nangarhar	Agam	Agam	Vegetative	Normal	Not Existed
		Batikot	Ghaziabad	Emergence	Good	Not Existed
		Jalalabad	Farm jaded	Emergence	Normal	Not Existed
		Behsood	Behsood	Emergence	Good	Not Existed
	Kunar	Asmar	Asmar	Emergence	Good	Poor Rainfall
		Asad Abad	Asad Abad	Vegetative	Normal	Poor Rainfall
	Laghman	Mihtarlam	Mihtarlam	Vegetative	Normal	Poor Rainfall
		Qarghay	Qarghay	Emergence	Good	Not Existed
North East	Takhar	Bangi	Bangi	Emergence	Normal	Not Existed
		Taluqan	Taluqan	Emergence	Normal	Not Existed
	Kunduz	Imam Sahib	Imam Sahib	Emergence	Good	Not Existed
		Qaliazal	Aqtipa	Emergence	Normal	Not Existed
		Khan Abad	Khan Abad	Emergence	Normal	Not Existed
		Kunduz	Kunduz	Emergence	Poor	Poor Rainfall
		Archi	Archi	Emergence	Good	Not Existed
		Ali Abad	Ali Abad	Emergence	Good	Not Existed
	Baghlan	Pulikhomri	Pozaishan	Emergence	Normal	Not Existed
		Doshy	Doshy	Emergence	Normal	Not Existed
South East	Khost	Khost	Khost	Vegetative	Normal	Not Existed
		Khost	Shimal	Vegetative	Normal	Not Existed
		Ali Sher	Ali Sher	Ploughing		
	Paktia	Zormat	Rohani Baba	Grain Filling	Normal	Not Existed
		Gardiz	Tera	Grain Filling	Normal	Not Existed
South	Urozgan	Tirin Kot	Tirin Kot	Vegetative	Normal	Not Existed
North	Samangan	Dara Souf	Dara Souf	Ploughing		
North West	Herat	Shindand	Shindand	Vegetative	Normal	Poor Rainfall
		Zindajan	Zindajan	Vegetative	Normal	Not Existed
		Gwazara	Falahat	Vegetative	Normal	Not Existed
		Hirat	Farm Urdokhan	Vegetative	Normal	Not Existed

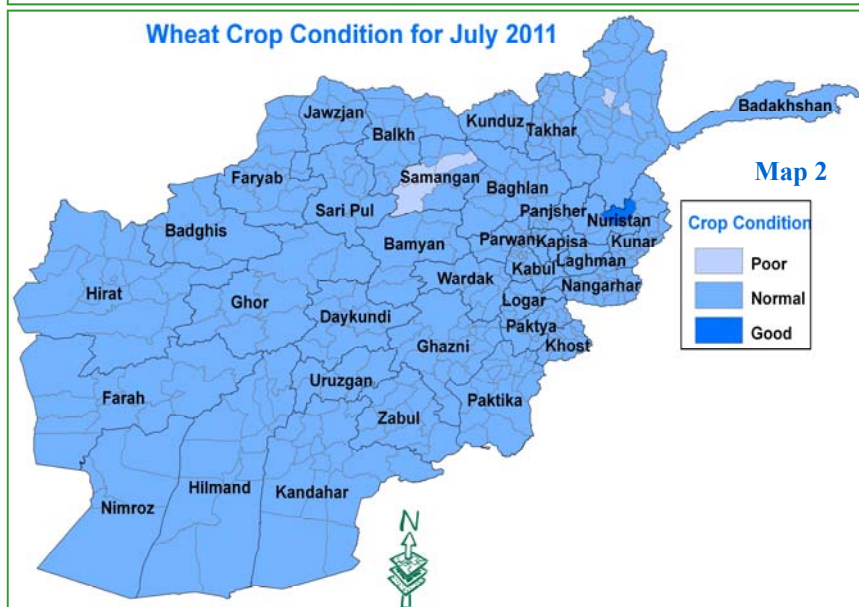
Data Source: Agromet Network

Wheat Crop Stage, Condition and Adverse Factor Maps

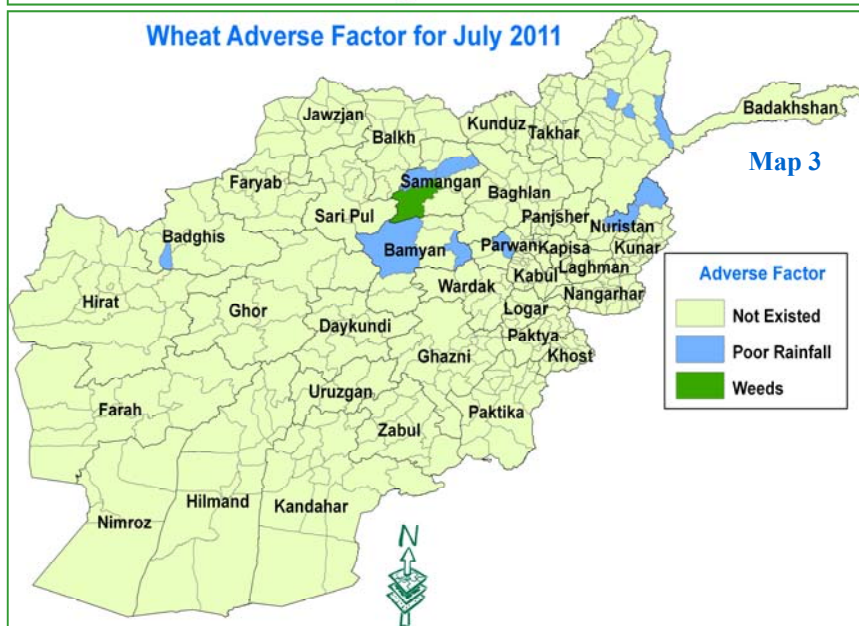
Wheat Crop Stage for July 2011



Wheat Crop Condition for July 2011



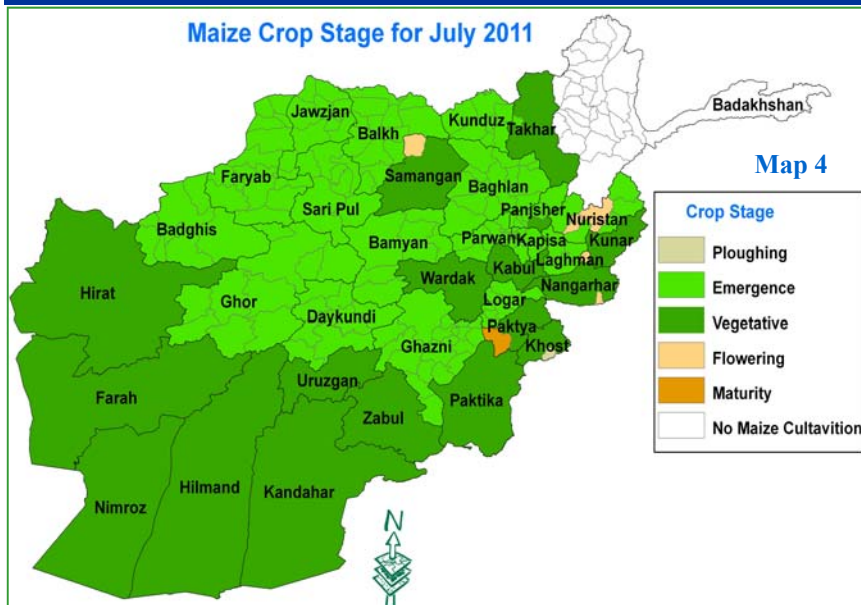
Wheat Adverse Factor for July 2011



Data Source: Agromet Network

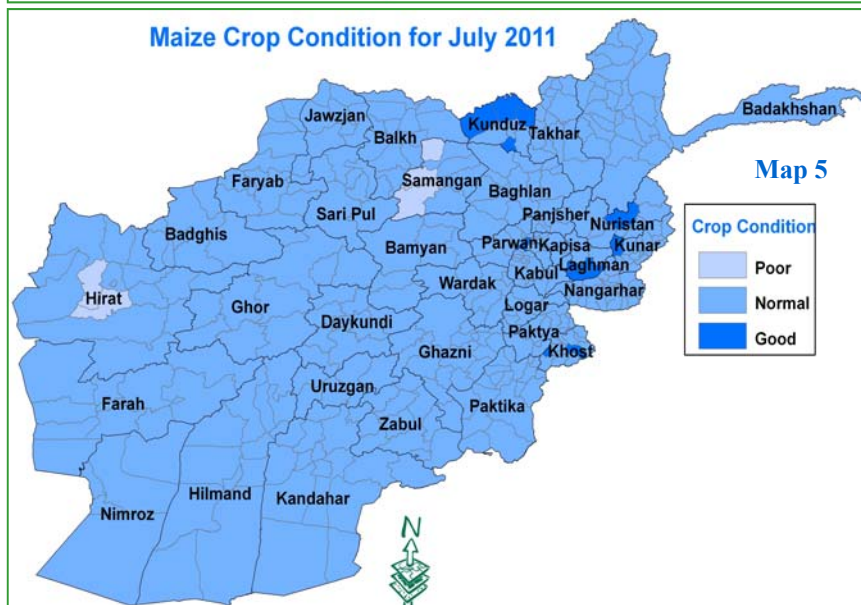
Maize Crop Stage, Condition and Adverse Factor Maps

Maize Crop Stage for July 2011



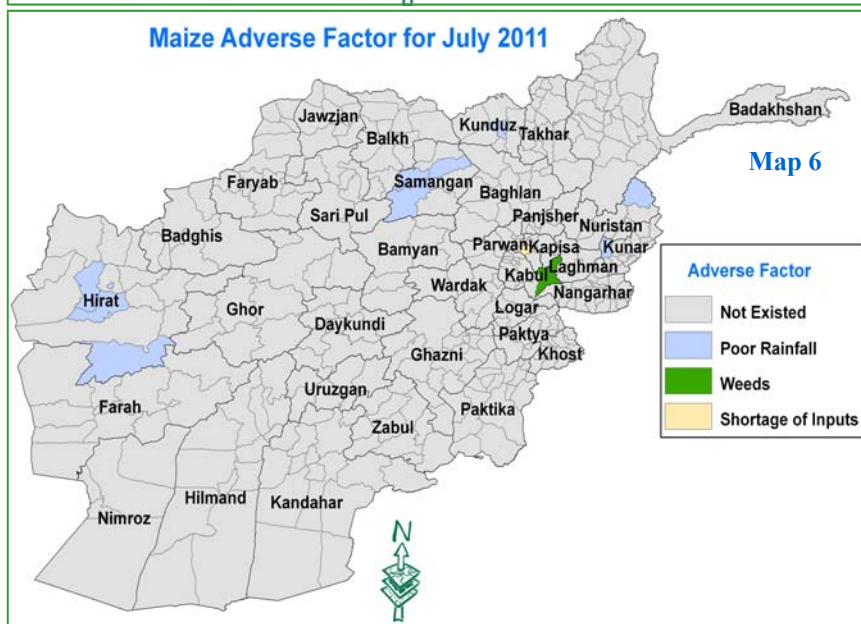
Map 4

Maize Crop Condition for July 2011



Map 5

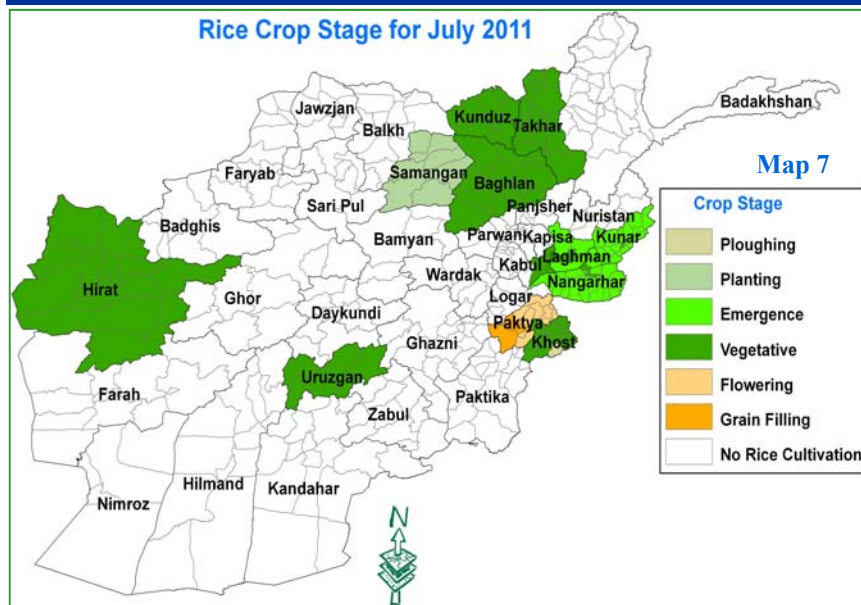
Maize Adverse Factor for July 2011



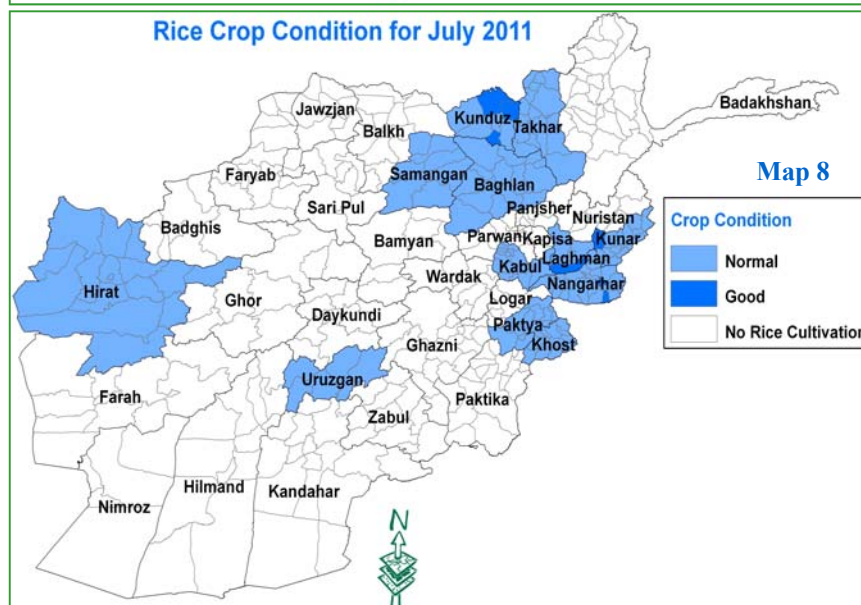
Map 6

Rice Crop Stage, Condition and Adverse Factor Maps

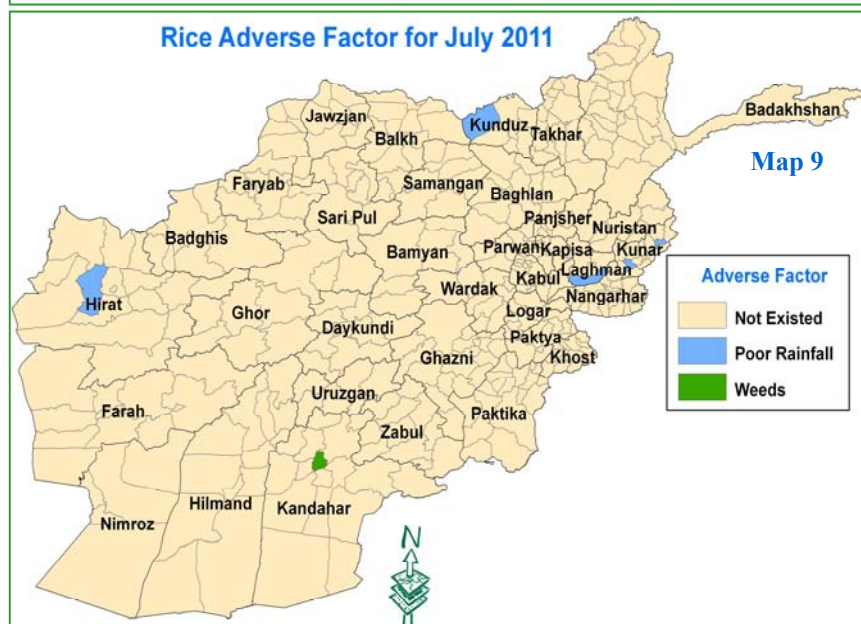
Rice Crop Stage for July 2011



Rice Crop Condition for July 2011



Rice Adverse Factor for July 2011



Data Source: Agromet Network

Precipitation

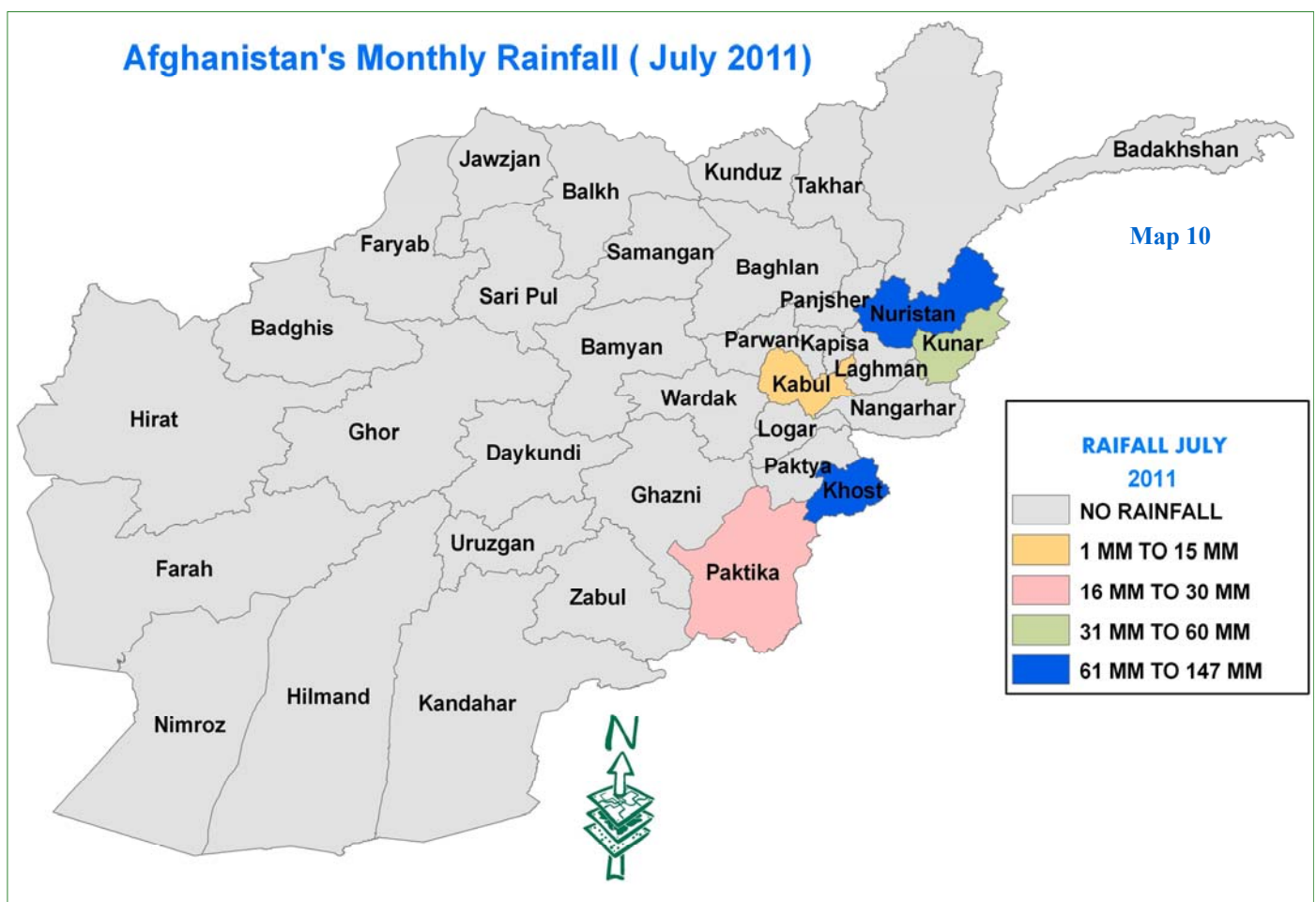
During the month of July 2011 the Indian monsoon pushed moisture to the region and Afghanistan which brought good rainfall particularly in the Eastern, Southeastern, Capital and the Northeastern regions. However the rainfall during July 2011 was lighter than which was expected, but still it was good for Agriculture.

Comparison of rainfall data for the month of July 2011 with the same month in 2010 (chart1) shows significant decrease of rainfall during the month of July 2011 over the same month of last year.

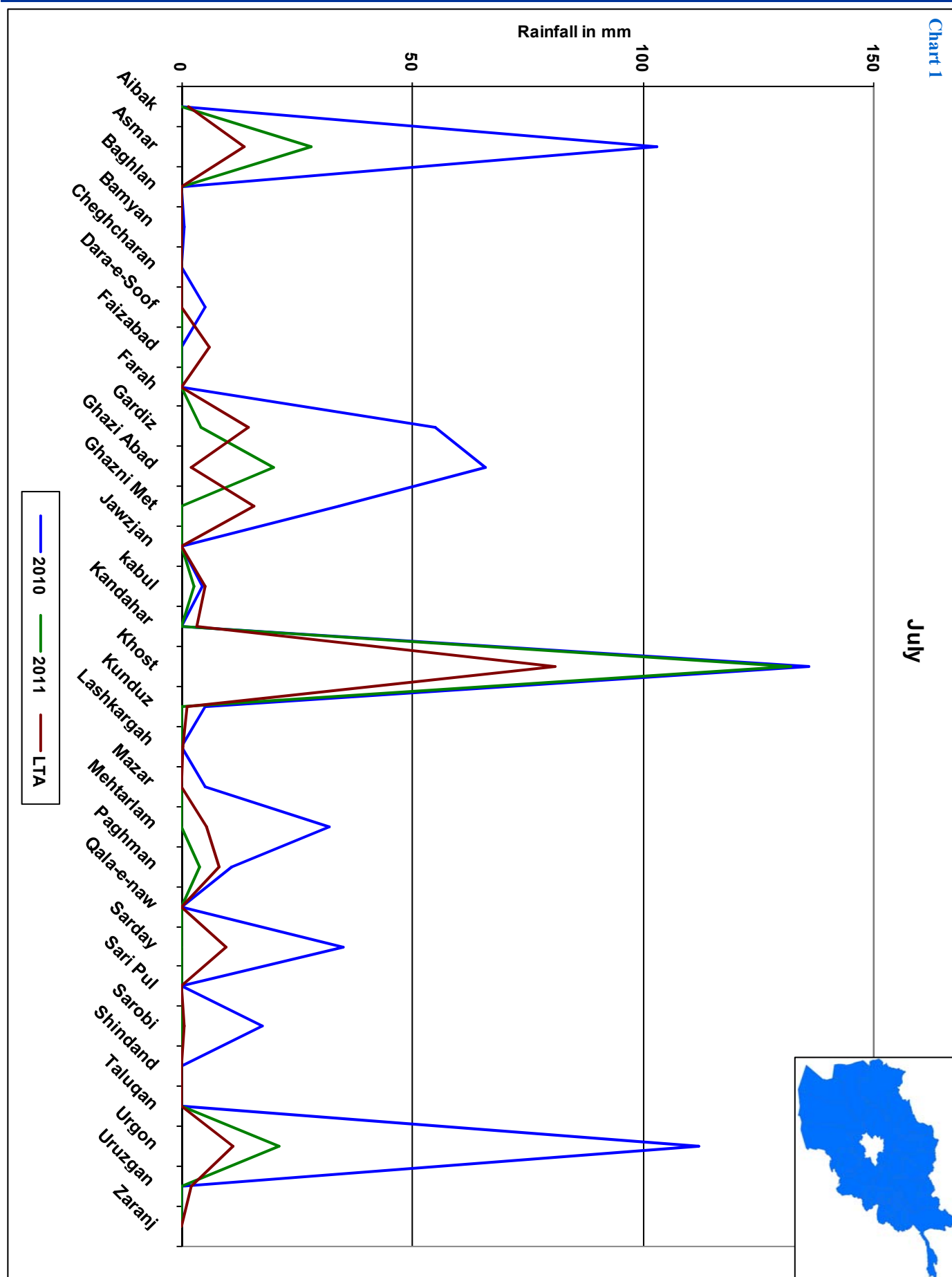
Comparison of rainfall data for the month of July

2011 with the same month of long term average (chart1) shows an increase of rainfall during the month of July 2011 over the same month of long term average .

Distribution of rainfall was variable in different parts of the country in during the month of July 2011. As map (10) shows, most amount of rainfall was occurred in the Eastern region and some parts in the Southeastern region during this month, some parts of the Central region has received leas amount of rainfall than the mentioned regions. In the remaining regions of the country seasonal dryness continued during the month of July 2011.



Rainfall Graphs for the Month of July 2011



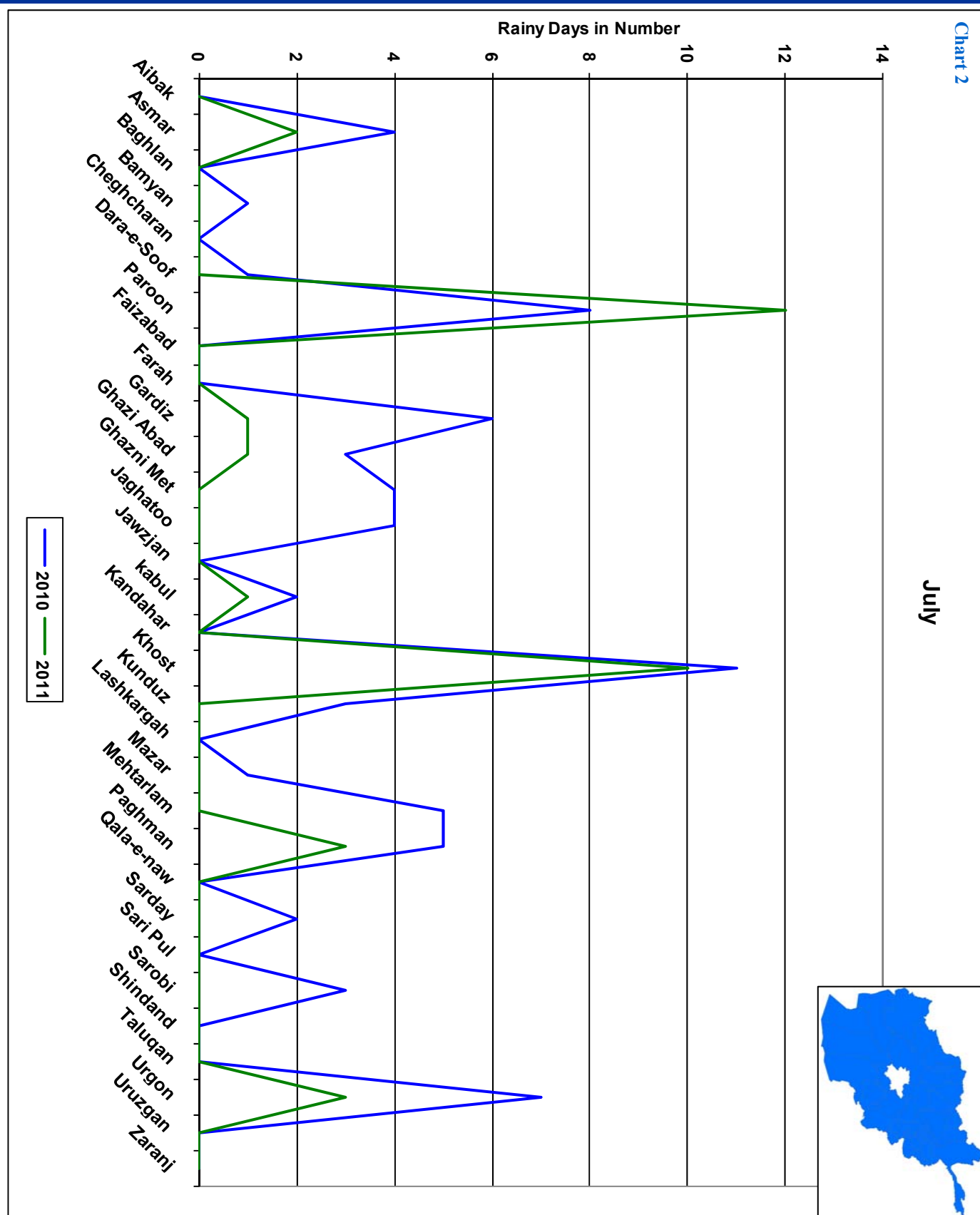
Rainfall for the Month of July 2011

Table 1

Stations	July		
	Rainfall in (mm)		
	2010	2011	LTA
Aibak	0	0	1.5
Asmar	103	28	13.7
Baghlan	0	0	0
Bamyan	0.5	0	0.1
Cheghcharan	0	0	0
Dara-e-Soof	5	0	0
Paroon	115	147	Data Not Available
Faizabad	0	0	6
Farah	0	0	0
Gardiz	55.1	4.2	14.6
Ghazi Abad	66	20	2
Ghazni Met	34	0	15.7
Jaghatoo	84	0	Data Not Available
Jawzjan	0	0	0
kabul	4.4	2.7	5.2
Kandahar	0	0	3.2
Khost	136	132	81
Kunduz	5	0	1.3
Lashkargah	0	0	0.4
Logar	Data Not Available	0	1.5
Mazar	5	0	0
Mehtarlam	32	0	5.4
Paghman	11	4	8.3
Qala-e-naw	0	0	0
Sarday	35	0	9.7
Sari Pul	0	0	0
Sarobi	17.5	0	0.5
Shindand	0	0	0
Taluqan	0	0	0.1
Urgon	112	21	11.1
Uruzgan	0	0	2.2
Zaranj	0	0	0

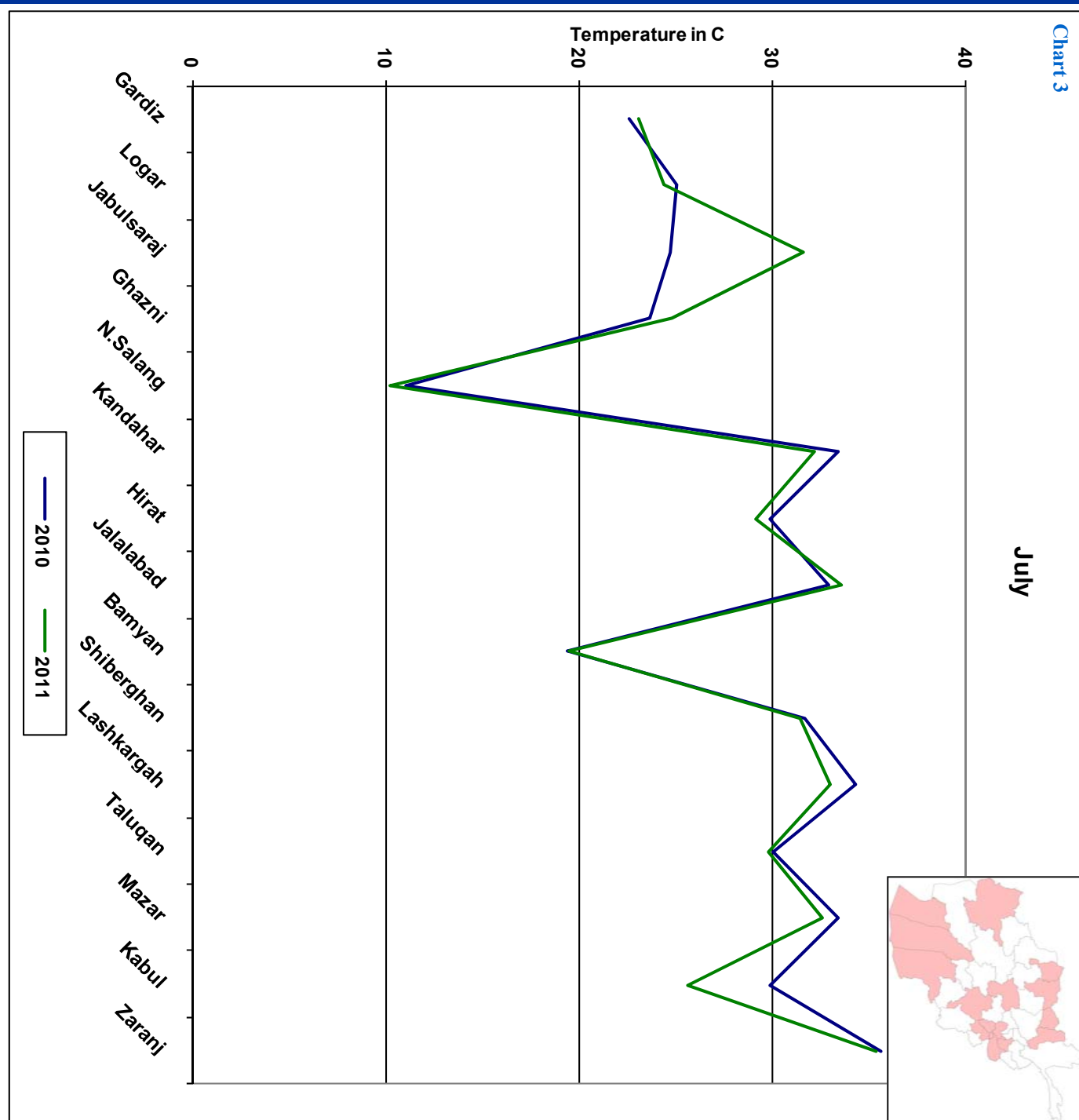
Data Source:Agromet Network

Rainy Days for the Month of July 2011



Comparison of rainy days for the month of July 2011 with the same month of 2010 (chart2) shows significant decrease of rainy days during the month of July 2011 over the same month of last year.

Average Temperature for the Month of July 2011

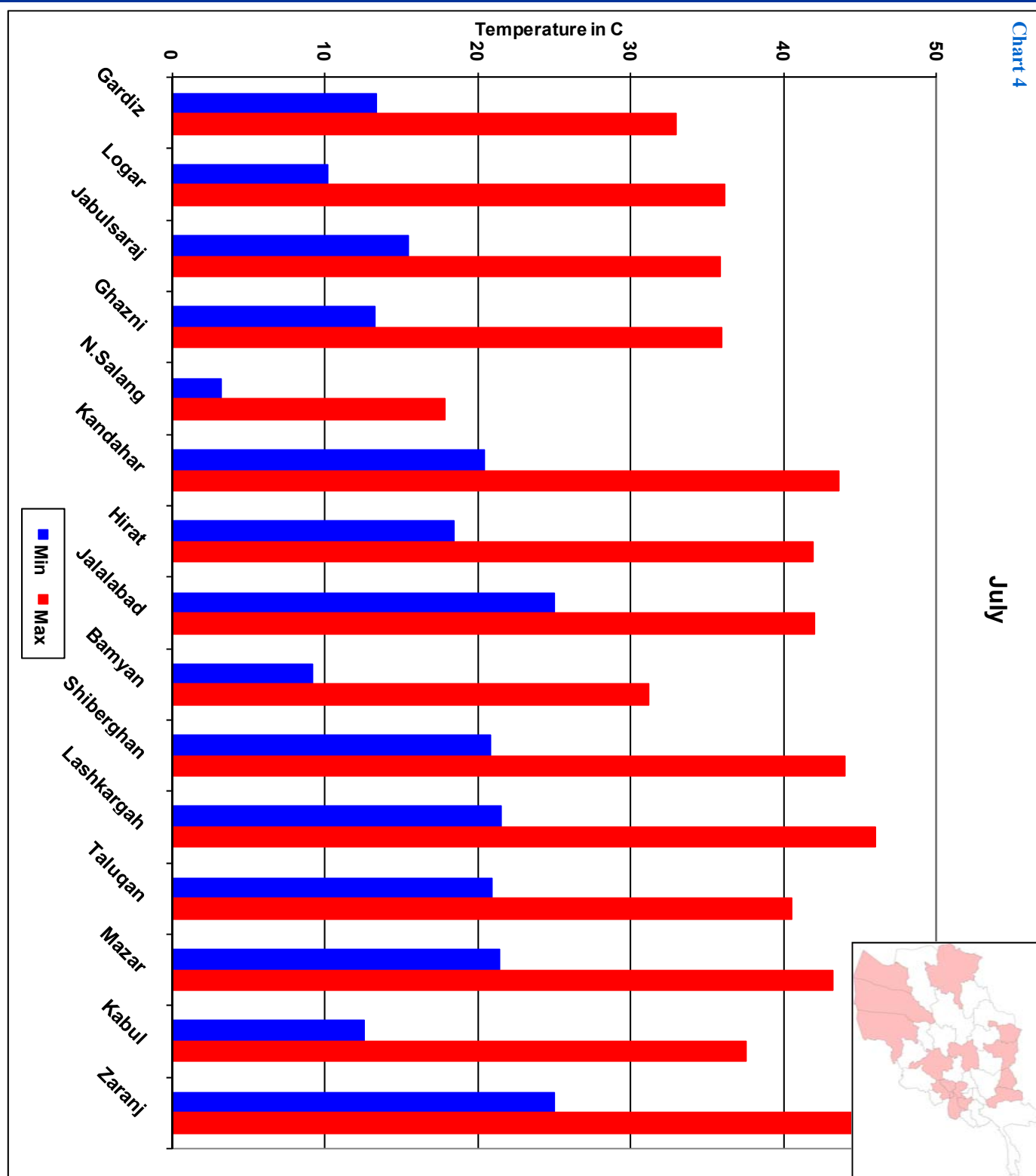


During the month of July 2011 temperature was mostly higher than the same month of last year.

Typically in this time of the year temperature is going high all over the country but, the areas with low elevations are going to be heated more, the Southern and Southwestern, Eastern regions and some parts of the Northern regions experienced highest temperature during the month of July 2011.

Comparison of monthly average of temperature for the month of July 2011 with the same month in 2010 (chart 3) shows variable situation of temperature during the month of July 2011. Temperature had an increase in some station during July 2011 over the same month of last year.

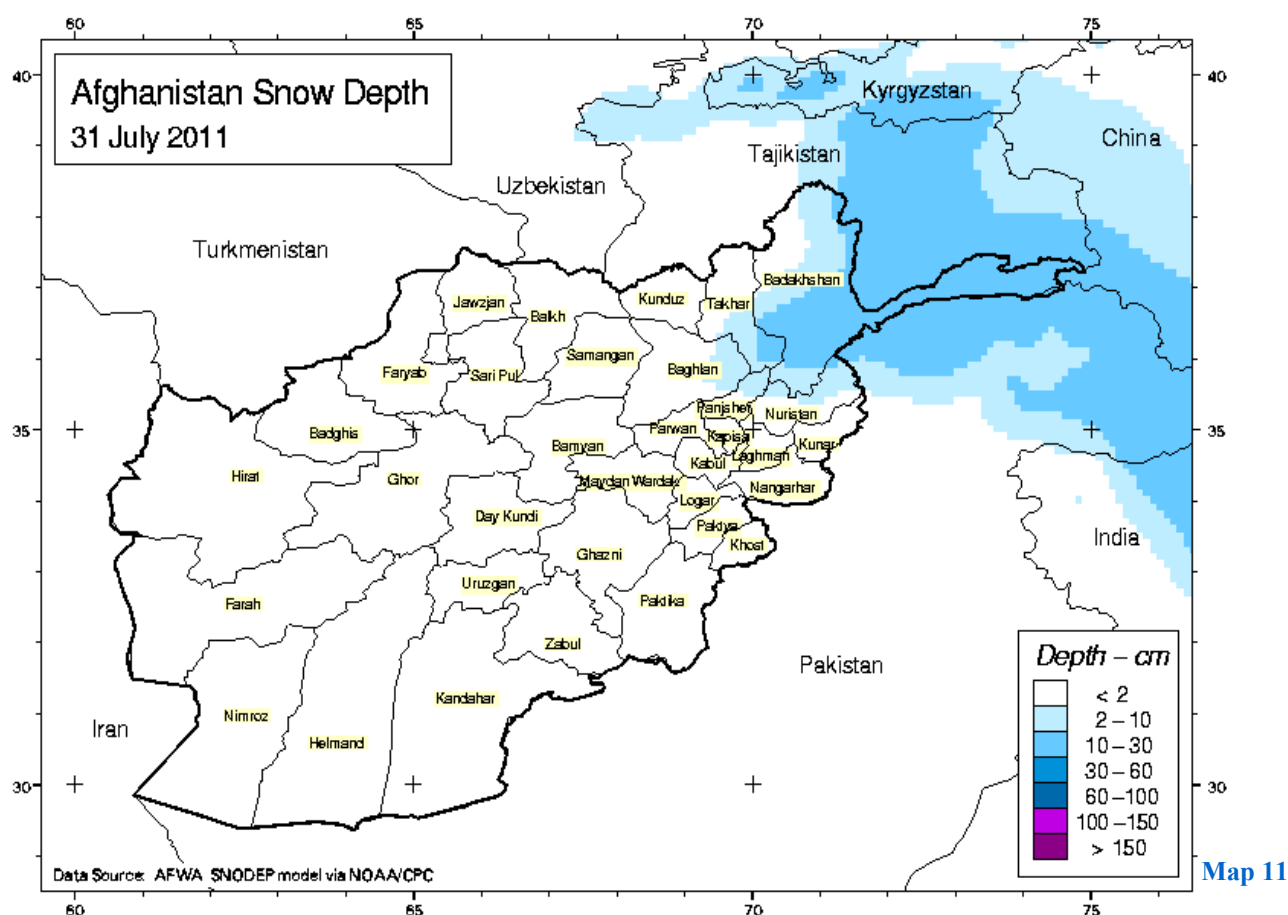
Temperature for the Month of July 2011



Zaranj with 47 ° C was the warmest spot of the Country during the month of July 2011 .

Chart (4) shows maximum and minimum temperature for the month of June 2011. As chart (4) shows Lashkargah with 46 ° C was the warmest spot of the country and North Salang with 3.2 ° C experienced the lowest temperature during the month of July 2011.

Afghanistan Snow Depth for month of July 2011



However, there is no snowfall in this time of the year in the country, map (11) shows remaining snow in the end of July in the Northeastern region,

as map (11) shows the snow depth has been recorded 10 – 30 cm in above mentioned region.

For more information please contact:

Name	Position	Cell	Email Address
Mohammad ishaq Noori	Director of AMA (Ministry of Transportation)	0799461756	Ishaq_avi@yahoo.com
Nasir Ahmad Fayez	Director of Irrigation (Ministry of Agriculture)	0700476311	Abc.fna.2008@yahoo.com

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